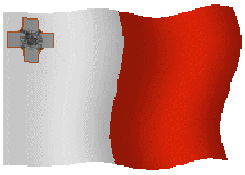
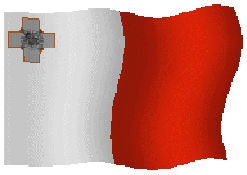


MARL



MALTA

Magazine by MARL

For Maltese and Gozitan Radio Amateurs

Number 33

December 2008

Smoking is prohibited at the Centre

From the Editor

Friends,
I welcome you to another issue of this magazine for December 2008, which is issue 33 of this series.

We have arrived at the last month of the year and we are going to start thinking about next year when according to our Statute we should not only hold the Annual General Meeting but also the election of the new committee.

Therefore I remind all the members that if they want to vote for the Committee in case of an election they have to have paid their membership prior to the meeting.

I would also like to remind you that in the annual meeting where we meet socially while we eat something and have a drink details of which are found on the last page of this magazine.

Also do not forget that as a society we represent all the Malta radio amateurs not only before the Maltese authorities, but also before international organizations such as **IARU**.

In fact, a conference of **IARU Reġjun 1** has just been held in **Cavtat**, in **Croatia**, where **9H1M** went to represent us. In this issue we are bringing you some photos about this meeting and later we will also give you a report.

Therefore, the more members that we have the more we can talk in a more representative manner in front of everyone. Do not forget that the more time that passes the more there will be pressure on frequencies and the more we would need to have someone to represent us in front of all authorities.

I hope that you find the information in the magazine useful to you and if you have some article please leave it in my **QSL** box.

Lawrence
9H1AV/9H9MHR

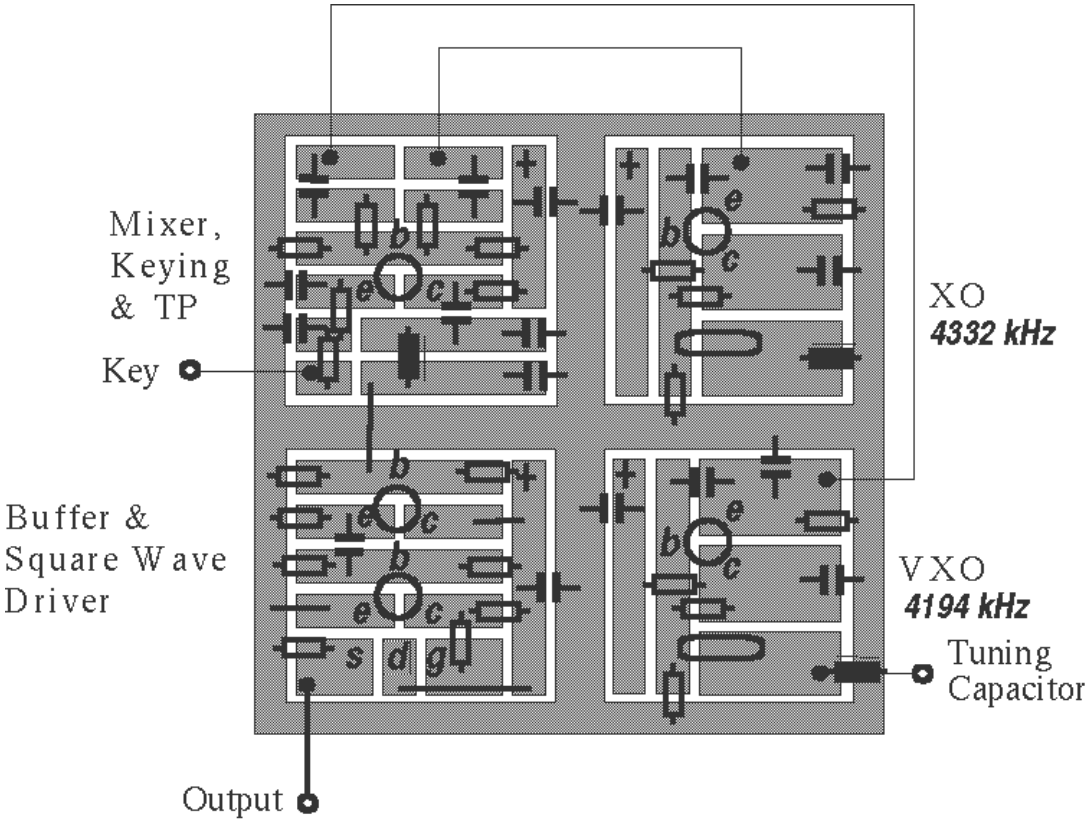
In the car

A lot of people work from their car, but today you have to be careful because many cars have electronic things that can be affected by your transmissions. Among many things that we find today we find a lot of electronics that have to do with the functioning of the engine, lights and other things. Therefore, before you start transmitting it is better to read the car handbook to see whether there are any warnings and try transmitting when the car is stationary on the side of the road and not moving to prevent some accident.

136kHz

In issue number 28 of this magazine of July 2008, I had given you a transmitter circuit for 136 kHz. Today I am giving you a copy of the printed circuit because the one on the internet webpage had a mistake where the Mosfet were wrongly marked.

Look where you have the word output. Previously they were marked from left to right as **d s g** which mean drain, source u gate respectively, while they should be **s d g**, that is source, drain u gate.



Previously I had given you a plan for this frequency, but it is good to know that the **IARU** Conference held in **Cavtat** in **Croatia** made a proposal that transmissions on this frequency do not exceed **200 Hz** bandwidth.

In fact, it made a recommendation that this is put in the plan for this frequency and therefore there are now no limitations on what mode of transmission is used on which part of the frequency. What is there is that the bandwidth should not be more than **200Hz**.

Frequency (kHz)	**Transmission bandwidth**	**Preferred modes and use**
135.7 – 137.8	**200**	**CW, QRSS and small bandwidth digital modes**

Lawrence
9H1AV / 9H9MHR

Globalset 2008 Group 1

Hereunder you have more photos of **Group 1** that took part in the **2008 Globalset** as well as some other photos of **Group 2**.

All these photos show the enthusiasm and seriousness with which this group is working and training so that God forbid an emergency arises they will be well trained.

Although we have this official group that is working hand in hand with the authorities, I encourage every radio amateur so that if possible he will have the possibility that he can also work by means of batteries and/or generators and install emergency antennas so that if God forbid an emergency arises they will be able to give their help.

9H1VW

9H1ES

9H1ES

9H1VW 9H1M 9H1PI

9H1VW 9H1PI 9H1AA

9H1PI 9H1VW

9H1AA 9H1ES 9H1VW

9H1PI

9H1VC 9H1M

9H1VC 9H1AA 9H1ES 9H1XE 9H1M 9H1VW 9H1PI

James George Fortunato Edwin Dominic Joe Ivan

Group 2 below

Day break

Day break

9H1PS

Day break

I thank all those who provided the photos to be published in this magazine
Lawrence
9H1AV / 9H9MHR

Internet link

Ethics and Operating Procedures for the Radio Amateur
By John Devoldere, **ON4UN** and Mark Demeuleneere, **ON4WW**

This book is about radio amateurs ethics that one can download from this link. This book is going to be translated into Maltese and will be published later.

http://www.rsgb.org/operating/procedures/Eth-operating-EN-RSGB-SITE-july1-2008.pdf

I hope that you find the information useful.

Lawrence
9H1AV / 9H9MHR

500kHz

New news about this frequency is that some Canadian radio amateurs were given permission to use this frequency. The allocation given is between **504-509kHz 20 W ERP** and transmission bandwidth of **1kHz**. And here in **Malta**?

For those who want to see how things are developing in the United Kingdom they can go to the internet webpage at http://groups.google.com/group/uk500khz

Lawrence
9H1AV / 9H9MHR

IARU Conference in Cavtat Croatia

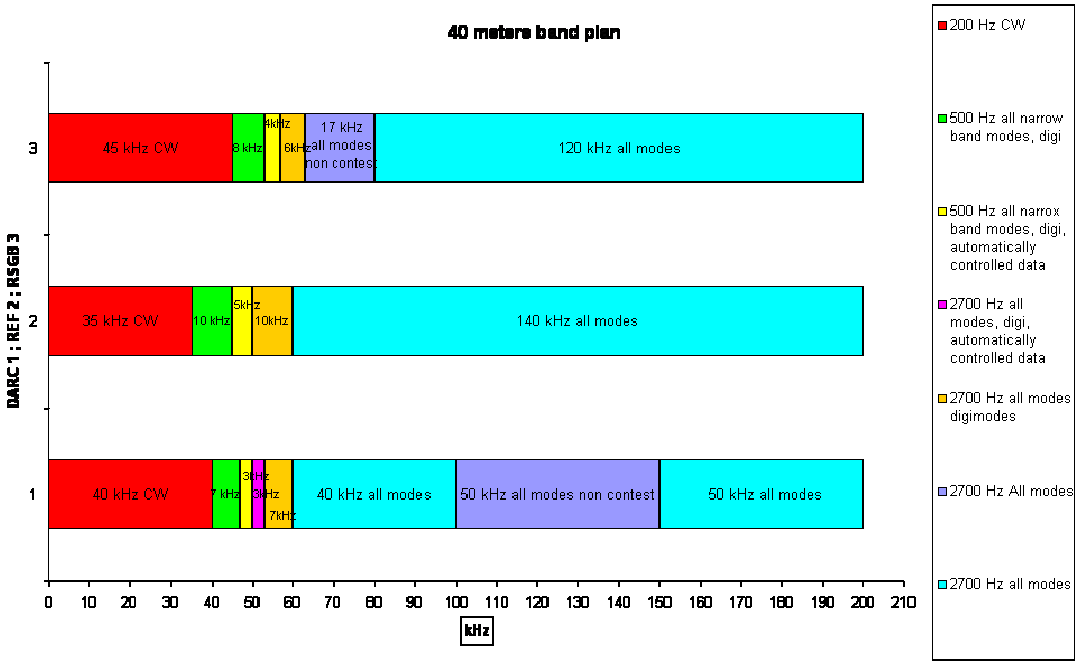
Dominic, **9H1M** attended for this **IARU Region 1** conference to represent **MARL**. These conferences are an important source not only of information, but ideas are developed and proposals are made that impinge directly on the radio amateurs.

Although we had help from **IARU** for **Dominic** to be able to go for this Conference, Domenic himself incurred expenses from his own pocket, and for this we thank him on behalf of **MARL** and on behalf of the Maltese radio amateurs because there he was representing everyone.

We have a report about this conference which you will find in the next issue of this magazine because it is a little bit long, but today we are going to give you some photos as well as some short things.

We intend to slowly start giving you information about what happened during this conference and today we are beginning by giving you some information on the proposed plans for **7 MHz**

Hereunder you have the proposal as to how the **DARC** of Germany, the **REF** of France and the **RSGB** of the United Kingdom proposed that the **7 MHz** frequency band should be used.



DARC 40 meters band plan			REF 40 meters band plan			RSGB 40 meters band plan		
40 kHz	7000-7040 kHz	200 Hz CW	35 kHz	7000-7035 kHz	200 Hz CW	45 kHz	7000-7045 kHz	200 Hz CW
7 kHz	7040-7047 kHz	500 Hz all narrow band modes, Digimodes	10 kHz	7035-7045 kHz	500 Hz all narrow band modes, Digimodes	8 kHz	7045-7053 kHz	500 Hz all narrow band modes, Digimodes
7 kHz	7040-7047 kHz	500 Hz all narrow band modes, Digimodes	5 kHz	7045-7050 kHz	500 Hz all narrow band modes, Digimodes, Automatically-controlled data stations	4 kHz	7053-7057 kHz	500 Hz all narrow band modes, Digimodes, Automatically-controlled data stations
3 kHz	7050-7053 kHz	2700 Hz all modes, Digimodes, Automatically-controlled data stations	10 kHz	7050-7060 kHz	2700 Hz all modes, Digimodes, Automatically-controlled data stations	6 kHz	7057-7063 kHz	2700 Hz all modes, Digimodes, Automatically-controlled data stations
7 kHz	7053-7060 kHz	2700 Hz all modes, Digimodes,	140 kHz	7060-7200 kHz	2700 Hz all modes	17 kHz	7063-7080	2700 Hz all modes
40 kHz	7060-7100 kHz	2700 Hz all modes, SSB contest prefered				120 kHz	7080-7200 kHz	2700 Hz all modes, SSB contest prefered
50 kHz	7100-7150 kHz	2700 Hz all modes						
50 kHz	7150-7200 kHz	2700 Hz all modes, SSB contest prefered						

Notes : CW QRP center activity 7030 kHz; Emergency center of activity 7070 kHz for REF and RSGB; SSB QRP center activity 7090 kHz for DARC and RSGB, 7125 kHz for REF; Image center activity 7165 kHz for DARC, REF and RSGB. Priority for intercontinental operation (CW) 7000-7005 kHz, (SSB) 7175-7200 kHz for RSGB, these frequencies can only be used if there is an international nature to the contest.

Hereunder we are also giving you a list of delegates who attended the conference

No. Surname & Name	Callsign	Society	Country	Status
1 Al Qasmi Abdalla Darwish	A41KB	ROARS	Oman	Delegate
2 Alajmi Faisal	9K2RR	KARS	Kuwait	Delegate
3 Albalooshi Darwish Fatma			UAE	Partner

4 Alnesf Mohammad	9K2MN	KARS	Kuwait	Delegate
5 Annan Angus Gibson	MM1CCR	RSGB	GB	Delegate
6 Annan Mary Elizabeth			GB	Partner
7 Azrak Rizkallah	OD5RI	IARU R1 WG	Lebanon	IARU R1 WG/Com
8 Azzopardi Dominic	9H1M	MARL	Malta	Delegate
9 Baques Toni	EA3BRA	URE	Spain	Delegate
10 Beattie Donald	G3BJ	IARU R1 EC	GB	IARU R1 EC
11 Benlagha Afif	7X2RO	ARA	Algeria	Delegate
12 Berns Joachim	DL1YBL	DARC	Germany	Delegate
13 Bertels Gaston	ON4WF	IARU R1 WG	Belgium	IARU R1 WG/Com
14 Berzsenyi Laszlo	HA5EA	MRASZ	Hungary	Delegate
15 Bienkowski Zdzislaw	SP6LB	PZK	Poland	Delegate
16 Blondeel Timmerman Hans	PB2T	IARU R1 EC	Netherlands	IARU R1 EC
17 Blondeel Timmerman Margaretha Maria			Netherlands	Partner
18 Buckley Finbarr	EI1CS	IRTS	Ireland	Delegate
19 Butler David John	G4ASR	RSGB	GB	Delegate
20 Callejas Martha			Mexico	Partner
21 Churma Sumner Linda			USA	Partner
22 Claytonsmith Mary Hilary	G4JKS	IARU R1	GB	Observer
23 Danev Panayot	LZ1US	IARU R1 EC	Bulgaria	IARU R1 EC
24 Darwish Mohammad	A61M	EARS	UAE	Observer
25 Debouche Jacques	ON5OO	UBA	Belgium	Delegate
26 Denker Remy	PA3AGF	VERON	Netherlands	Delegate
27 Devoldere John	ON4UN	UBA	Belgium	Delegate
28 Diop Mouhamadou Moustapha	6W1KI	IARU R1 EC	Senegal	IARU R1 EC
29 Dombrowski Stefan	ON6TI	UBA	Belgium	Delegate
30 Ehlers Hans Heinrich	DF5UG	IARU R1 EC	Germany	IARU R1 EC
31 Eisenwagner Ronald	OE3REB	OEVSV	Austria	Delegate
32 Elkafrawi Mohamed	SU1KM	EARA	Egypt	Delegate
33 Ellam Tim	VE6SH	IARU IS	Canada	Observer
34 Erasmus Rassie	ZS1YT	SARL	South Africa	Delegate
35 Field Donald Ian	G3XTT	IARU R1	GB	Observer
36 Floesser Karin			Germany	Partner
37 Floesser Rainer	DL5NBZ	IARU R1 WG	Germany	IARU R1 WG/Com
38 Frey Peter	HB9MQM	USKA	Switzerland	Delegate
39 Garpestad Ole	LA2RR	IARU R1 EC	Norway	IARU R1 EC
40 Gierczycka Donata	SP5HNK	PZK	Poland	Delegate
41 Gould John William	G3WKL	RSGB	GB	Delegate
42 Green Dennis	ZS4BS	SARL	South Africa	Delegate
43 Greenshields Ian	G4FSU	IARU R1	GB	Observer
44 Hadel Wolfgang	DK2OM	IARU R1 WG	Germany	IARU R1 WG/Com
45 Harrison Martin	G3USF	IARU R1 WG	GB	IARU R1 WG/Com
46 Hartig Dennis M.	DL7RBI	DARC	Germany	Delegate
47 Heikinheimo Jukka Ilari	OH2BR	SRAL	Finland	Delegate
48 Ibrahim Fahad Saleh	A41LK	ROARS	Oman	Delegate
49 Jaehrig H. Joerg	DJ3HW	DARC	Germany	Delegate
50 Jaganjac Amir	T95O	ARA BiH	Herzegovina	Delegate
51 Kahundira Vagheni Cyprien	9Q1KS	ARAC	Congo	Delegate
52 Karlsen Helge	LA1BR	NRRL	Norway	Delegate
53 Kastelic Michael	OE1MCU	IARU R1 WG	Austria	IARU R1 WG/Com
54 Kirby Peter	G0TWW	RSGB	GB	Delegate
55 Kirby Sandra			GB	Partner
56 Kootz Thilo	DL9KCE	DARC	Germany	Delegate
57 Kritzer Dieter	OE8KDK	OEVSV	Austria	Delegate

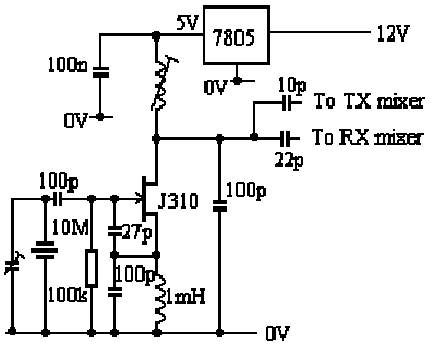
58 Kudlac Roman	OM3EI	SARA	Slovakia	Delegate
59 Landoulsi Mustapha	DL1BDF	CAST	Tunisia/Germany	Delegate
60 Leandro Reinaldo	YV5AMH	IARU R2	Venezuela	Observer
61 Liukkonen Jussi	OH5LK	SRAL	Finland	Delegate
62 Madhavan Gopal	VU2GMN	IARU R3	India	Observer
63 Magnin Betty	F6IOC	REF	France	Delegate
64 Maireder Peter	OE5MPL	OEVSV	Austria	Delegate
65 Marecek Jiri	OK2BWN	CRC	Czech Rep	Delegate
66 Martin Mauricette	F8BPN	REF	France	Delegate
67 Martin Philippe	F6ETI	REF	France	Delegate
68 Mbengue Papa Malick	6W1FJ	ARAS	Senegal	Delegate
69 Milanov Milcho	LZ1RF	BFRA	Bulgaria	Delegate
70 Milošević Hranislav	YT1AD	SRS	Serbia	Delegate
71 Mraz Anton	OM3LU	SARA	Slovakia	Delegate
72 Mueller Ulrich	DK4VW	DARC	Germany	Delegate
73 Navarro Pilar			Spain	Partner
74 Niava Jean Jacques	TU2OP	ARAI	Ivory Coast	Delegate
75 Niman Murray Jerel	G6JYB	RSGB	GB	Delegate
76 Nolan Sean	EI7CD	IRTS	Ireland	Delegate
77 Ntsiyep Florence	TJ3NT	ARTJ	Cameroun	Delegate
78 Odehnal Karel	OK2ZI	CRC	Czech Rep	Delegate
79 Owen Michael	VK3KI	IARU R3	Australia	Observer
80 Passet Claude	3A2LF	ARM	Monaco	Delegate
81 Pastor Kai	DG0YT	DARC	Germany	Delegate
82 Pazdersky Ivan	OK1PI	CRC	Czech Rep	Delegate
83 Percin Nikola	9A5W	IARU R1 EC	Croatia	IARU R1 EC
84 Price Larry	W4RA	IARU IS	USA	Observer
85 Prostecky Milos	OK1MP	CRC	Czech Rep	Delegate
86 Pyndt Hans	OZ5DX	EDR	Denmark	Delegate
87 Raad Hani	OD5TE	RAL	Lebanon	Delegate
88 Raicha Max	5Z4MR	IARU R1 EC	Kenya	IARU R1 EC
89 Ramon Carine	ON7LX	UBA	Belgium	Delegate
90 Romo Toni			Spain	Partner
91 Rusman Darko	T95A	ARA BiH	Herzegovina	Delegate
92 Saad Ali	9K2SS	KARS	Kuwait	Delegate
93 Santoyo Ramon	XE1KK	IARU R2	Mexico	Observer
94 Sauri Joan	C31US	URA	Andorra	Delegate
95 Scarlot Robert	3A2CR	ARM	Monaco	Delegate
96 Segalstad Tom V.	LA4LN	NRRL	Norway	Delegate
97 Shirville Graham Pau	G3VZV	RSGB	GB	Delegate
98 Simonjan Heikinheimo Loretta Artushevna			Finland	Partner
99 Skrzypczak Piotr	SP2JMR	PZK	Poland	Delegate
100 Slomczynski Krzysztof	SP5HS	PZK	Poland	Delegate
101 Stafford Rod	W6ROD	IARU IS	USA	Observer
102 Stauning Ivan	OZ7IS	EDR	Denmark	Delegate
103 Streif Stefan L.	HB9TTQ	USKA	Switzerland	Delegate
104 Stuyvenberg Ildiko			Hungary	Partner
105 Sumner David	K1ZZ	IARU IS	USA	Observer
106 Tabakovski Oliver	Z32TO	IARU R1 WG	Macedonia	IARU R1 WG/Com
107 Thiemann Andreas	HB9JOE	IARU R1 EC	Switzerland	IARU R1 EC
108 Thiemann Yvonne			Switzerland	Partner
109 Thomas Colin James	G3PSM	IARU R1 WG	GB	IARU R1 WG/Com
110 Thomas Gwendalyn			GB	Partner
111 Toresen Kjetil	LA8KV	NRRL	Norway	Delegate
112 Trujillo Diego	EA7MK	URE	Spain	Delegate

113 Van den Berg Abraham	PB0AOK	VERON	Netherlands	Delegate
114 Verholt Christian	OZ8CY	IARU R1 WG	Denmark	IARU R1 WG/Com
115 Vermaire Coen	PA5KM	VERON	Netherlands	Delegate
116 Welens Hans	ON6WQ	IARU R1 WG	Belgium	IARU R1 WG/Com
117 Whelan Robert C.	G3PJT	IARU R1 WG	GB	IARU R1 WG/Com
118 Whelan Rosemary			GB	Partner
119 Wysocki Wieslaw	SP2DX	PZK	Poland	Delegate
120 Yattara Hamadoun Abdoulaye	TZ6HY	CRAM	Mali	Delegate
121 Ypma Sjoerd	PA0SHY	VERON	Netherlands	Delegate
122 Zwingl Michael	OE3MZC	OEVSV	Austria	Delegate

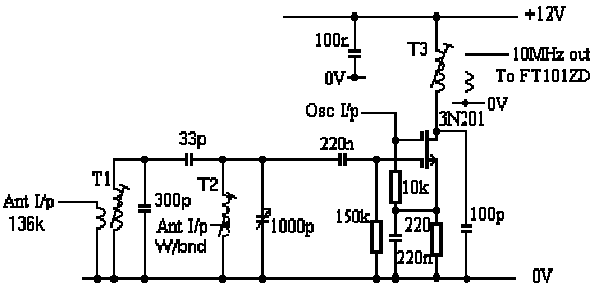
Delegates photos

136kHz transverter circuit

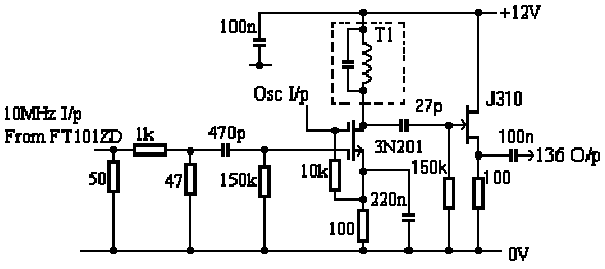
Since as you know as from **1 January 2009** we can work on **136 kHz** and although I have already given you transmitter circuits, today I am going to give you a transverter circuit that although it is for use with a transceiver on **10 MHz**, you can change the crystal and coils to use another transceiver frequency. You can find further details about this transverter on http://www.btinternet.com/~dsergeant/136.htm



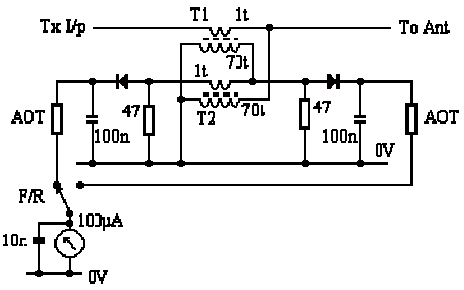
Local oscillator circuit



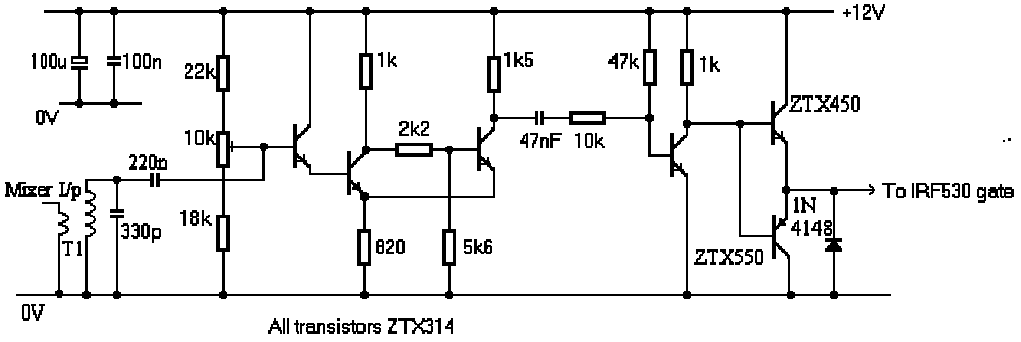
Mixer circuit



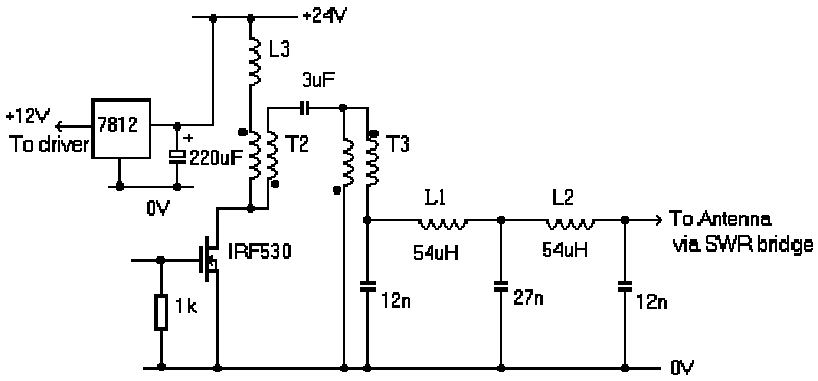
Transmitter mixer



SWR indicator



The rest of the transmitter except the power amplifier



Final amplifier

We will wait for you on **136 kHz**

Lawrence
9H1AV / 9H9MHR

9H internet webpages

9H1MRL	http://www.9h1mrl.org
9H1AA	http://www.9h1aa.com/
9H1AV	http://9h1av.topcities.com/hp.html
	http://www.freewebs.com/9h1av/index.htm
9H1BD	http://herbertcatania.net/
9H1CL	http://www.qsl.net/9h1cl/
9H1EI	http://www.9h1ei.com/
9H1ES	http://gorga40.tripod.com/
9H1LE	http://www.freewebs.com/9h1le/myshack.htm
9H1LO	http://www.9h1lo.net/
9H1PA	http://www.freewebs.com/9h1pa/
9H1PI	http://www.geocities.com/iprivitera/
9H1RA	http://good-times.webshots.com/album/561867741NnpRaE
9H1RV	http://www.geocities.com/vince9h5za/
9H1SP	http://www.9h1sp.com/
9H1VW	http://www.9h1vw.com/
9H1ZY	http://www.9h1mrl.org/9h1zy/
9H4DX	http://www.geocities.com/cq_9h4dx/My_page.index.html
G0DEO	http://www.g0deo.zoomshare.com/

Malta Communications Authority	http://www.mca.org.mt/
Malta International Airport	http://www.maltairport.com/
Malta Weather	http://www.maltaweather.com/index.shtml
Malta Tourism Authority	http://www.visitmalta.com/main

Activities

New Year's drinks

The Committee is inviting all the members to a New Year's drink that will be held at the MARL Club on Sunday 4 January 2009, from 10.00 to 1200/

The Committee wishes a Merry Christmas and a Happy New Year to all MARL Members and all the Maltese and Gozitan radio amateurs and their families.

Annual General Meeting

The Annual General Meeting will be held on Sunday 22 February 2009 from 10.00 onwards. Do not forget that you have to have paid your membership before the meeting and also paid for the previous year to be able to vote if there is an election.

Membership payments

For all those who want to pay their membership the Financial Secretary is waiting for you with open arms to receive your payment. Payment can be made every Tuesday and Thursday between 6.00 p.m. and 8.00 p.m. and on Sundays between 10.00 and Noon or by cheque by post payable to M.A.R.L.

Yahoo Group

Be attentive and become members in the yahoo group to be fully informed with the latest activities that we intend to hold.

Food

I remind you that every alternate Thursday, that is, Thursday yes Thursday no, an eating activity is held at the Club where whoever is present and is not on diet may eat against a nominal payment. For more details speak to Joe, 9H1AJ.

Lawrence
9H1AV/9H9MHR